



July 2009

DEPARTMENT OF EDUCATION
2008–2009 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State accountability standards of Maine's *Learning Results*. The *Learning Results* contain goals for what all students should know and be able to do at certain times in their school careers and include the accountability standards that are assessed for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind* Act.

The 2008-2009 MEA Summary Reports contain the results of student achievement in reading and mathematics at all grades and science at grades 5 and 8 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. More information about the MEA is available at www.maine.gov/education/mea/index.htm.

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the assessments.

Sincerely,

Susan A. Gendron
Commissioner of Education



School Report Grade 8

Test Date: March 2009
Code: 12581765
SAU: MSAD 64
School: Central Middle School

Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

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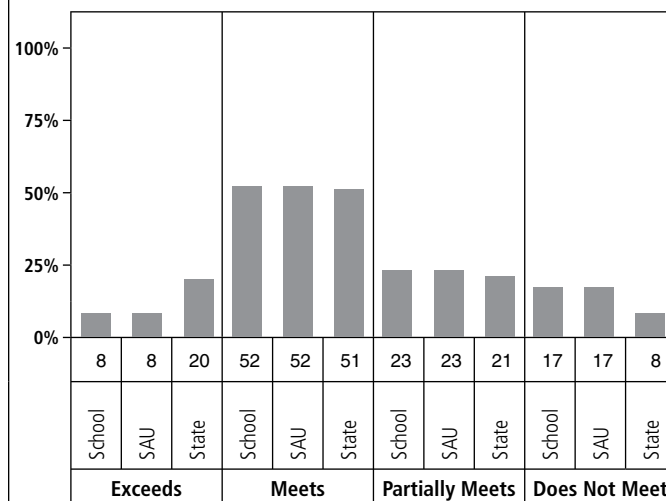
SUMMARY OF SCORES

Test Date: March 2009
Grade: 8
SAU: MSAD 64
School: Central Middle School

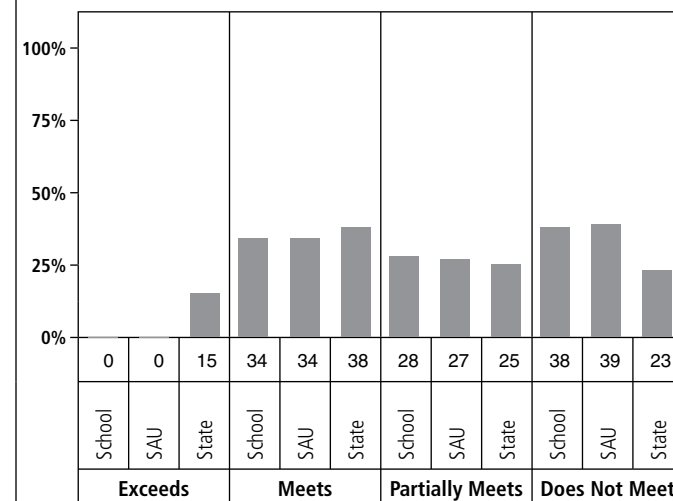
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2006–2007	844	843	847
2007–2008	847	847	849
2008–2009	844	844	850
Cum. Avg.*	845	845	849
Mathematics			
2006–2007	835	835	842
2007–2008	831	831	841
2008–2009	832	832	843
Cum. Avg.*	833	833	842
Science			
2008–2009 **	839	839	846

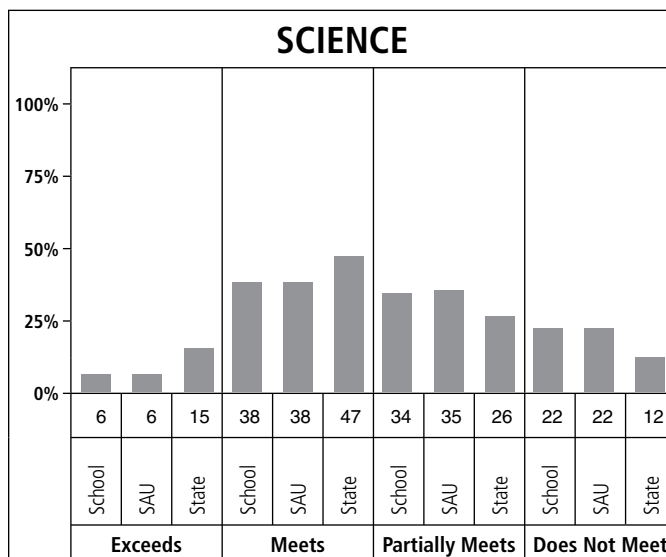
ELA – READING



MATHEMATICS



SCIENCE



*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

** Because science standards were reset in May 2009, no historical data are available

SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2009
Grade: 8
SAU: MSAD 64
School: Central Middle School

CATEGORY OF PARTICIPATION	Enrollment ¹ during testing window						CONTENT AREA PARTICIPATION ²																	
	School		SAU		State		ELA-Reading						Mathematics						Science					
	n		n		n		n		n		n		n		n		n		n		n		n	
	%		%		%		%		%		%		%		%		%		%		%		%	
Total number of students	88	100	89	100	14804	100	87	99	88	99	14659	99	87	99	88	99	14653	99	87	99	88	99	14626	99
Ethnicity African American/Black	2	2	2	2	377	3	2	100	2	100	366	97	2	100	2	100	371	98	2	100	2	100	367	97
American Indian or Native Alaskan	0	0	0	0	119	1	0	0	0	0	117	99	0	0	0	0	115	97	0	0	0	0	116	98
Asian or Pacific Islander	0	0	0	0	238	2	0	0	0	0	232	97	0	0	0	0	234	98	0	0	0	0	234	98
Hispanic	0	0	0	0	192	1	0	0	0	0	188	98	0	0	0	0	191	100	0	0	0	0	190	99
Caucasian/White	86	98	87	98	13878	94	85	99	86	99	13756	99	85	99	86	99	13742	99	85	99	86	99	13719	99
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Identified disability	8	9	9	10	2489	17	8	100	9	100	2434	99	8	100	9	100	2424	98	8	100	9	100	2418	98
Current LEP	0	0	0	0	349	2	0	0	0	0	331	95	0	0	0	0	342	98	0	0	0	0	338	97
Economically disadvantaged	45	51	45	51	5460	37	44	98	44	98	5380	99	44	98	44	98	5377	99	44	98	44	98	5359	98
Migrant	0	0	0	0	6	0	0	0	0	0	6	100	0	0	0	0	6	100	0	0	0	0	6	100

MODE OF PARTICIPATION ³	ELA-Reading						Mathematics						Science					
	School		SAU		State		School		SAU		State		School		SAU		State	
	n		n		n		n		n		n		n		n		n	
	%		%		%		%		%		%		%		%		%	
Participation without accommodations	74	84	75	84	12132	82	74	84	75	84	12124	82	74	84	75	84	12169	82
Identified disability (PET/IEP)	0	0	1	1	379	3	0	0	1	1	380	3	0	0	1	1	425	3
LEP	0	0	0	0	166	1	0	0	0	0	169	1	0	0	0	0	168	1
504 plan	6	8	6	8	200	2	6	8	6	8	200	2	6	8	6	8	202	2
Participation with accommodations	13	15	13	15	2349	16	13	15	13	15	2347	16	13	15	13	15	2288	15
Identified disability (PET/IEP)	8	62	8	62	1877	80	8	62	8	62	1862	79	8	62	8	62	1824	80
LEP	0	0	0	0	158	7	0	0	0	0	167	7	0	0	0	0	165	7
504 plan	0	0	0	0	70	3	0	0	0	0	70	3	0	0	0	0	66	3
Other	5	38	5	38	292	12	5	38	5	38	297	13	5	38	5	38	280	12
Participation through alternate assessment (PAAP)	0	0	0	0	178	1	0	0	0	0	182	1	0	0	0	0	169	1
Identified disability (PET/IEP)	0	0	0	0	178	100	0	0	0	0	182	100	0	0	0	0	169	100
LEP	0	0	0	0	7	4	0	0	0	0	6	3	0	0	0	0	5	3
504 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Approved non-participation in reading – 1st year LEP	0	0	0	0	0	0												
Approved non-participation – special consideration	0	0	0	0	32	0	0	0	0	0	34	0	0	0	0	0	38	0
Non-participation – other	1	1	1	1	113	1	1	1	1	1	117	1	1	1	1	1	140	1

¹Percents are the percentage of students enrolled in each participation category.

²Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

³Percents are the percentage of students in each content area by mode.

ELA–READING RESULTS

Test Date: March 2009
Grade: 8
SAU: MSAD 64
School: Central Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (Scaled Score 862–880)	2006-2007	9	11	9	11	2407	16
	2007-2008	17	18	18	19	3428	23
	2008-2009	7	8	7	8	2857	20
	Cum. Total*	33	13	34	13	8692	19
Meets the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (Scaled Score 842–860)	2006-2007	36	44	36	44	7494	49
	2007-2008	41	44	42	44	7179	48
	2008-2009	45	52	46	52	7431	51
	Cum. Total*	122	47	124	47	22104	49
Partially Meets the Standards – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (Scaled Score 830–840)	2006-2007	20	25	20	24	3628	24
	2007-2008	19	20	19	20	2706	18
	2008-2009	20	23	20	23	2979	21
	Cum. Total*	59	23	59	22	9313	21
Does Not Meet the Standards – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (Scaled Score 800–828)	2006-2007	16	20	17	21	1810	12
	2007-2008	16	17	16	17	1611	11
	2008-2009	15	17	15	17	1214	8
	Cum. Total*	47	18	48	18	4635	10

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Reading Total Points	56	100	31.6	56.4	31.6	56.4	35.5	63.4
A1/A2 Interconnected Elements/Literary Text	20	36	10.8	54.0	10.8	54.0	12.3	61.5
A1/A3/4 Interconnected Elements/Informational Text/Persuasive Text	36	64	20.8	57.8	20.8	57.8	23.2	64.4

The MEA measures student achievement of the interconnected elements of the reading process based on questions related to literary and informational/persuasive reading passages. Reading passages include both long and short texts, selected from developmentally appropriate works. MEA reading items measure the English Language Arts accountability content standard A, Reading, contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at:
<http://www.maine.gov/education/lres/pei/index.html>.

ELA-READING RESULTS

(CONTINUED)

Test Date: March 2009
Grade: 8
SAU: MSAD 64
School: Central Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	87	7	8	45	52	20	23	15	17	844	88	8	52	23	17	844	14481	20	51	21	8	850
Ethnicity																						
African American/Black	2										2						362	8	43	29	20	843
American Indian or Native Alaskan	0										0						116	10	46	26	18	843
Asian or Pacific Islander	0										0						231	28	43	19	10	851
Hispanic	0										0						186	17	48	23	12	847
Caucasian/White	85	7	8	43	51	20	24	15	18	843	86	8	51	23	17	843	13586	20	52	20	8	850
Not Reported	0										0						0					
Identified disability																						
Yes	8	0	0	1	13	0	0	7	88	820	9	0	22	0	78	822	2256	2	25	40	34	834
No	79	7	9	44	56	20	25	8	10	846	79	9	56	25	10	846	12225	23	56	17	4	853
Current LEP																						
Yes	0										0						324	5	34	36	26	838
No	87	7	8	45	52	20	23	15	17	844	88	8	52	23	17	844	14157	20	52	20	8	850
Economically disadvantaged																						
Yes	44	2	5	21	48	12	27	9	20	841	44	5	48	27	20	841	5277	10	46	29	15	844
No	43	5	12	24	56	8	19	6	14	847	44	11	57	18	14	847	9204	26	54	16	5	853
Migrant																						
Yes	0										0						5	0	40	60	0	841
No	87	7	8	45	52	20	23	15	17	844	88	8	52	23	17	844	14476	20	51	21	8	850
Gender																						
Female	42	7	17	21	50	9	21	5	12	847	42	17	50	21	12	847	7074	25	51	18	6	852
Male	45	0	0	24	53	11	24	10	22	840	46	0	54	24	22	840	7407	14	51	23	11	847
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						857	9	43	35	14	843
No	87	7	8	45	52	20	23	15	17	844	88	8	52	23	17	844	13624	20	52	20	8	850
Gifted/talented program																						
Yes	0										0						700	69	30	1	0	867
No	87	7	8	45	52	20	23	15	17	844	88	8	52	23	17	844	13781	17	52	22	9	849

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

ELA-READING RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 8
SAU: MSAD 64
School: Central Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	10	0	0	9	100	0	0	0	0	852	10	0	100	0	0	852	8	8	39	29	24	841
B. less than one hour	49	2	5	18	42	14	33	9	21	840	50	5	43	32	20	840	51	17	53	22	8	849
C. one to two hours	31	4	15	13	48	6	22	4	15	847	31	15	48	22	15	847	36	24	52	18	5	852
D. more than two hours	9	1	13	5	63	0	0	2	25	843	9	13	63	0	25	843	5	29	45	18	9	852
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	20	4	24	8	47	4	24	1	6	850	20	22	50	22	6	850	31	35	50	11	4	856
B. good	48	3	7	25	60	10	24	4	10	846	48	7	60	24	10	846	47	16	55	21	7	849
C. fair	24	0	0	8	38	5	24	8	38	835	24	0	38	24	38	835	18	5	47	33	15	842
D. poor	8	0	0	4	57	1	14	2	29	837	8	0	57	14	29	837	3	2	39	37	22	839
How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?																						
A. The questions on the test match what I have learned in reading class.	23	2	10	11	55	4	20	3	15	847	23	10	55	20	15	847	32	27	54	14	5	853
B. They match some of what I have learned.	59	5	10	29	57	11	22	6	12	845	60	10	58	21	12	845	52	18	53	22	8	850
C. They match just a little of what I have learned.	13	0	0	3	27	4	36	4	36	834	13	0	27	36	36	834	12	11	45	29	15	844
D. There is no match.	5	0	0	1	25	1	25	2	50	830	5	0	25	25	50	830	4	6	34	33	26	838
How difficult was the reading part of this test?																						
A. more difficult than my regular schoolwork	15	1	8	4	31	4	31	4	31	837	15	8	31	31	31	837	15	13	42	28	17	844
B. about the same as my regular schoolwork	62	5	9	26	49	13	25	9	17	844	62	9	50	24	17	844	64	19	53	20	7	850
C. easier than my regular schoolwork	23	1	5	14	70	3	15	2	10	848	23	5	70	15	10	848	22	25	52	16	6	852
How difficult were the reading passages on this test?																						
A. Most of the passages were more difficult than what I normally read.	5	0	0	0	0	0	0	4	100	816	5	0	0	0	100	816	8	6	34	34	26	838
B. Most of the passages were about the same as what I normally read.	58	3	6	25	51	14	29	7	14	843	57	6	51	29	14	843	52	14	54	24	8	848
C. Most of the passages were easier than what I normally read.	38	3	9	19	59	6	19	4	13	848	38	9	61	18	12	847	40	30	53	13	4	855
How hard did you try on the reading part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	37	4	13	15	47	8	25	5	16	846	37	13	47	25	16	846	39	19	50	22	9	849
B. I tried about the same as I do on my regular schoolwork.	51	3	7	25	57	11	25	5	11	844	52	7	58	24	11	844	54	21	53	19	7	851
C. I did not try as hard on this test as I do on my regular schoolwork.	12	0	0	4	40	1	10	5	50	831	11	0	40	10	50	831	7	12	46	27	15	845
How much time do you spend reading at home each day?																						
A. more than one hour	32	4	14	17	61	4	14	3	11	847	33	14	62	14	10	847	19	26	53	15	6	853
B. 20 minutes to an hour	25	3	14	9	41	7	32	3	14	845	25	14	41	32	14	845	40	25	52	17	6	852
C. less than 20 minutes	11	0	0	6	60	3	30	1	10	841	11	0	60	30	10	841	15	18	51	21	10	849
D. I rarely read at home.	31	0	0	13	48	6	22	8	30	839	31	0	48	22	30	839	26	7	50	30	13	844
How do you feel about the following statement?																						
"My knowledge of reading will be useful to me as an adult."																						
A. strongly agree	29	3	12	16	64	3	12	3	12	847	29	12	64	12	12	847	42	27	51	15	6	853
B. agree	58	3	6	22	44	14	28	11	22	841	59	6	45	27	22	841	50	15	53	23	9	848
C. disagree	8	1	14	4	57	1	14	1	14	846	8	14	57	14	14	846	7	8	46	32	14	843
D. strongly disagree	5	0	0	2	50	2	50	0	0	844	5	0	50	50	0	844	2	6	39	35	21	840
Optional school/SAU question																						
A.	22	0	0	0	0	1	50	1	50	821	22	0	0	50	50	821						
B.	56	0	0	0	0	4	80	1	20	834	56	0	0	80	20	834						
C.	0										0											
D.	22	0	0	1	50	0	0	1	50	841	22	0	50	0	50	841						

MATHEMATICS RESULTS

Test Date: March 2009
Grade: 8
SAU: MSAD 64
School: Central Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (Scaled Score 862–880)	2006-2007	3	4	3	4	1952	13
	2007-2008	2	2	2	2	1657	11
	2008-2009	0	0	0	0	2116	15
	Cum. Total*	5	2	5	2	5725	13
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (Scaled Score 842–860)	2006-2007	22	27	23	28	5870	38
	2007-2008	23	25	24	25	5956	40
	2008-2009	30	34	30	34	5443	38
	Cum. Total*	75	29	77	29	17269	39
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (Scaled Score 830–840)	2006-2007	27	33	27	33	3982	26
	2007-2008	29	31	30	31	3729	25
	2008-2009	24	28	24	27	3556	25
	Cum. Total*	80	31	81	30	11267	25
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (Scaled Score 800–828)	2006-2007	29	36	29	35	3534	23
	2007-2008	39	42	40	42	3579	24
	2008-2009	33	38	34	39	3356	23
	Cum. Total*	101	39	103	39	10469	23

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Mathematics Total Points	56	100	22.5	40.2	22.4	40.0	28.6	51.1
A. Number	8	14	2.1	26.3	2.1	26.3	3.7	46.3
B. Data	16	29	8.1	50.6	8.0	50.0	8.9	55.6
C. Geometry	12	21	4.2	35.0	4.2	35.0	5.0	41.7
D. Algebra	20	36	8.1	40.5	8.0	40.0	10.9	54.5

The MEA assesses students’ mathematics knowledge based on questions that measure the mathematics accountability content standards contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard A, Number, includes Whole Number, Rational Number, and Real Number.

Content Standard B, Data, includes Measurement and Approximation, Data Analysis, and Probability.

Content Standard C, Geometry, includes Geometric Figures, Geometric Measurement, and Transformations.

Content Standard D, Algebra, includes Symbols and Expressions, Equations and Inequalities, and Functions and Relations.

MATHEMATICS RESULTS

(CONTINUED)

Test Date: March 2009
Grade: 8
SAU: MSAD 64
School: Central Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	87	0	0	30	34	24	28	33	38	832	88	0	34	27	39	832	14471	15	38	25	23	843
Ethnicity																						
African American/Black	2										2						367	6	24	26	44	831
American Indian or Native Alaskan	0										0						114	5	31	32	32	836
Asian or Pacific Islander	0										0						233	27	33	20	21	847
Hispanic	0										0						190	8	31	26	34	836
Caucasian/White	85	0	0	29	34	23	27	33	39	832	86	0	34	27	40	832	13567	15	38	25	22	843
Not Reported	0										0						0					
Identified disability																						
Yes	8	0	0	0	0	0	0	8	100	807	9	0	0	0	100	808	2242	2	12	22	63	824
No	79	0	0	30	38	24	30	25	32	835	79	0	38	30	32	835	12229	17	42	25	16	846
Current LEP																						
Yes	0										0						336	6	18	26	51	829
No	87	0	0	30	34	24	28	33	38	832	88	0	34	27	39	832	14135	15	38	25	23	843
Economically disadvantaged																						
Yes	44	0	0	10	23	14	32	20	45	828	44	0	23	32	45	828	5270	6	30	28	36	835
No	43	0	0	20	47	10	23	13	30	837	44	0	45	23	32	836	9201	20	42	22	16	847
Migrant																						
Yes	0										0						5	0	0	40	60	828
No	87	0	0	30	34	24	28	33	38	832	88	0	34	27	39	832	14466	15	38	25	23	843
Gender																						
Female	42	0	0	15	36	12	29	15	36	833	42	0	36	29	36	833	7070	15	39	25	22	843
Male	45	0	0	15	33	12	27	18	40	831	46	0	33	26	41	831	7401	14	36	25	25	842
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						857	5	25	33	37	835
No	87	0	0	30	34	24	28	33	38	832	88	0	34	27	39	832	13614	15	38	24	22	843
Gifted/talented program																						
Yes	0										0						700	68	27	3	1	866
No	87	0	0	30	34	24	28	33	38	832	88	0	34	27	39	832	13771	12	38	26	24	841

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

MATHEMATICS RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 8
SAU: MSAD 64
School: Central Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%		
How much homework do you do on school nights?																						
A. none	10	0	0	4	44	3	33	2	22	839	10	0	44	33	22	839	8	8	24	24	44	833
B. less than one hour	49	0	0	13	30	13	30	17	40	830	50	0	30	30	41	829	51	12	38	26	23	842
C. one to two hours	31	0	0	12	44	7	26	8	30	837	31	0	44	26	30	837	36	19	40	23	19	845
D. more than two hours	9	0	0	1	13	1	13	6	75	823	9	0	13	13	75	823	5	19	36	22	23	844
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	16	0	0	8	62	3	23	2	15	843	15	0	62	23	15	843	28	33	41	15	11	852
B. good	35	0	0	16	55	6	21	7	24	839	35	0	55	21	24	839	45	11	43	25	21	842
C. fair	31	0	0	6	23	7	27	13	50	826	31	0	23	27	50	826	21	3	27	35	35	834
D. poor	18	0	0	0	0	6	40	9	60	822	19	0	0	38	63	822	5	2	14	30	54	828
How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?																						
A. The questions on the test match what I have learned in mathematics class.	21	0	0	8	44	5	28	5	28	834	21	0	44	28	28	834	28	23	41	21	15	848
B. They match some of what I have learned.	50	0	0	19	44	12	28	12	28	836	49	0	44	28	28	836	52	13	40	25	21	843
C. They match just a little of what I have learned.	24	0	0	3	14	6	29	12	57	826	24	0	14	29	57	826	16	8	28	30	34	836
D. There is no match.	5	0	0	0	0	1	25	3	75	821	6	0	0	20	80	820	4	5	15	22	58	826
How difficult was the mathematics part of this test?																						
A. more difficult than my regular schoolwork	47	0	0	11	28	12	30	17	43	831	48	0	27	29	44	830	32	6	34	29	32	837
B. about the same as my regular schoolwork	48	0	0	19	46	10	24	12	29	836	48	0	46	24	29	836	52	13	41	25	20	843
C. easier than my regular schoolwork	5	0	0	0	0	1	25	3	75	810	5	0	0	25	75	810	16	39	35	13	13	853
How hard did you try on the mathematics part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	40	0	0	10	29	11	32	13	38	831	41	0	29	31	40	830	42	12	38	26	25	841
B. I tried about the same as I do on my regular schoolwork.	49	0	0	18	43	10	24	14	33	836	49	0	43	24	33	836	52	17	39	23	20	845
C. I did not try as hard on this test as I do on my regular schoolwork.	11	0	0	2	22	3	33	4	44	824	10	0	22	33	44	824	7	12	27	27	35	837
How often do you use calculators in mathematics class?																						
A. almost every day	43	0	0	11	30	12	32	14	38	831	43	0	29	32	39	830	34	18	40	22	20	845
B. two or three days a week	45	0	0	18	46	9	23	12	31	837	44	0	46	23	31	837	35	14	38	26	21	843
C. two or three times each month	6	0	0	0	0	2	40	3	60	815	6	0	0	40	60	815	18	12	37	27	24	841
D. never or almost never	7	0	0	1	17	1	17	4	67	824	7	0	17	17	67	824	13	9	32	25	34	837
How often do you use laptops in mathematics class?																						
A. almost every day	5	0	0	0	0	3	75	1	25	825	5	0	0	75	25	825	9	13	38	23	26	841
B. two or three days a week	3	0	0	0	0	1	33	2	67	811	3	0	0	33	67	811	17	11	37	26	26	841
C. two or three times each month	1	0	0	1	100	0	0	0	0	844	1	0	100	0	0	844	28	15	40	25	20	844
D. never or almost never	91	0	0	29	37	20	25	30	38	833	91	0	36	25	39	833	46	16	36	24	23	843
How do you feel about the following statement?																						
“My knowledge of mathematics will be useful to me as an adult.”																						
A. strongly agree	53	0	0	20	43	12	26	14	30	836	52	0	43	26	30	836	52	19	41	22	18	846
B. agree	39	0	0	10	29	9	26	15	44	830	39	0	29	26	44	830	39	11	35	27	27	840
C. disagree	5	0	0	0	0	2	50	2	50	827	5	0	0	50	50	827	6	7	28	26	39	835
D. strongly disagree	3	0	0	0	0	1	33	2	67	816	5	0	0	25	75	816	3	4	25	28	43	832
Optional school/SAU question																						
A.	22	0	0	0	0	0	0	2	100	814	22	0	0	0	100	814						
B.	56	0	0	0	0	2	40	3	60	818	56	0	0	40	60	818						
C.	0										0											
D.	22	0	0	0	0	0	0	2	100	812	22	0	0	0	100	812						

SCIENCE RESULTS

Test Date: March 2009
Grade: 8
SAU: MSAD 64
School: Central Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information, analyze and solve difficult problems, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (Scaled Score 862–880)	2008-2009*	5	6	5	6	2155	15
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve routine problems and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (Scaled Score 842–860)	2008-2009*	33	38	33	38	6687	47
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (Scaled Score 828–840)	2008-2009*	30	34	31	35	3672	26
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems. Explanations are illogical, incomplete, or missing. There are many inaccuracies. (Scaled Score 800–826)	2008-2009*	19	22	19	22	1749	12

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Science Total Points	56	100	27.8	49.6	27.8	49.6	32.0	57.1
D. The Physical Setting	31	55	14.3	46.1	14.3	46.1	17.1	55.2
D1/D2 Earth/Space	17	30	8.0	47.1	8.0	47.1	9.4	55.3
D3/D4 Matter and Energy/Force and Motion	14	25	6.3	45.0	6.3	45.0	7.7	55.0
E. The Living Environment	25	45	13.5	54.0	13.5	54.0	14.9	59.6

The MEA assesses students’ science knowledge based on questions that measure the science accountability content standards highlighted in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard D. The Physical Setting
D1 - Universe and Solar System
D2 - Earth
D3 - Matter and Energy
D4 - Force and Motion

Content Standard E. The Living Environment
E1 - Biodiversity
E2 - Ecosystems
E3 - Cells
E4 - Heredity and Reproduction
E5 - Evolution

SCIENCE RESULTS

(CONTINUED)

Test Date: March 2009
Grade: 8
SAU: MSAD 64
School: Central Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	87	5	6	33	38	30	34	19	22	839	88	6	38	35	22	839	14263	15	47	26	12	846
Ethnicity																						
African American/Black	2										2						360	4	31	35	30	835
American Indian or Native Alaskan	0										0						114	8	39	31	22	839
Asian or Pacific Islander	0										0						230	20	44	23	13	848
Hispanic	0										0						184	9	45	29	16	842
Caucasian/White	85	5	6	32	38	29	34	19	22	839	86	6	37	35	22	839	13375	15	47	25	12	846
Not Reported	0										0						0					
Identified disability																						
Yes	8	0	0	0	0	1	13	7	88	817	9	0	0	22	78	819	2221	3	22	36	38	832
No	79	5	6	33	42	29	37	12	15	841	79	6	42	37	15	841	12042	17	51	24	7	848
Current LEP																						
Yes	0										0						331	4	20	39	37	832
No	87	5	6	33	38	30	34	19	22	839	88	6	38	35	22	839	13932	15	48	25	12	846
Economically disadvantaged																						
Yes	44	0	0	13	30	20	45	11	25	835	44	0	30	45	25	835	5184	6	40	33	21	840
No	43	5	12	20	47	10	23	8	19	843	44	11	45	25	18	843	9079	20	51	21	8	849
Migrant																						
Yes	0										0						5	0	0	80	20	829
No	87	5	6	33	38	30	34	19	22	839	88	6	38	35	22	839	14258	15	47	26	12	846
Gender																						
Female	42	3	7	14	33	17	40	8	19	839	42	7	33	40	19	839	6953	14	47	28	11	846
Male	45	2	4	19	42	13	29	11	24	839	46	4	41	30	24	839	7310	16	46	24	13	846
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						828	5	35	40	20	839
No	87	5	6	33	38	30	34	19	22	839	88	6	38	35	22	839	13435	16	48	25	12	846
Gifted/talented program																						
Yes	0										0						699	65	34	2	0	865
No	87	5	6	33	38	30	34	19	22	839	88	6	38	35	22	839	13564	13	48	27	13	845

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

SCIENCE RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 8
SAU: MSAD 64
School: Central Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	10	0	0	5	56	3	33	1	11	843	10	0	56	33	11	843	8	8	34	28	30	837
B. less than one hour	49	3	7	14	33	15	35	11	26	837	50	7	32	36	25	837	51	14	48	27	11	846
C. one to two hours	31	2	7	12	44	8	30	5	19	843	31	7	44	30	19	843	36	19	48	24	9	848
D. more than two hours	9	0	0	2	25	4	50	2	25	831	9	0	25	50	25	831	5	17	49	20	14	847
Which of the following best describes how you rate yourself as a student in science?																						
A. very good	32	2	7	11	39	10	36	5	18	841	32	7	39	36	18	841	23	27	47	17	8	851
B. good	46	3	8	17	43	13	33	7	18	842	45	8	43	33	18	842	53	15	50	26	10	847
C. fair	17	0	0	3	20	6	40	6	40	831	18	0	19	44	38	832	20	4	43	35	18	840
D. poor	5	0	0	2	50	1	25	1	25	835	5	0	50	25	25	835	4	4	27	34	35	834
How well do the questions that you have just been given on this MEA test match what you have learned in school about science?																						
A. The questions on the test match what I have learned in science class.	33	2	7	12	43	8	29	6	21	841	32	7	43	29	21	841	26	20	49	23	9	849
B. They match some of what I have learned.	43	2	5	15	41	13	35	7	19	841	43	5	41	35	19	841	51	14	48	26	11	846
C. They match just a little of what I have learned.	19	0	0	5	31	7	44	4	25	835	20	0	29	47	24	835	18	13	44	28	15	844
D. There is no match.	6	0	0	1	20	2	40	2	40	828	6	0	20	40	40	828	4	5	33	30	32	836
How difficult was the science part of this test?																						
A. more difficult than my regular schoolwork	33	1	4	8	29	10	36	9	32	835	34	3	28	38	31	835	32	13	45	28	14	844
B. about the same as my regular schoolwork	53	2	4	20	44	16	36	7	16	841	52	4	44	36	16	841	56	15	49	25	11	847
C. easier than my regular schoolwork	14	2	17	5	42	3	25	2	17	844	14	17	42	25	17	844	11	21	43	22	13	847
How hard did you try on the science part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	43	3	8	9	24	14	38	11	30	836	44	8	24	39	29	836	39	14	47	27	12	845
B. I tried about the same as I do on my regular schoolwork.	50	2	5	22	51	15	35	4	9	844	49	5	51	35	9	844	55	17	48	25	10	847
C. I did not try as hard on this test as I do on my regular schoolwork.	7	0	0	2	33	1	17	3	50	829	7	0	33	17	50	829	6	8	36	29	26	839
Which courses do you plan to take before you graduate from high school?																						
A. earth and space science and/or biology	26	1	5	10	45	7	32	4	18	841	26	5	45	32	18	841	26	9	48	29	14	844
B. the course(s) described in A, plus chemistry	20	1	6	7	41	7	41	2	12	842	20	6	41	41	12	842	23	17	49	22	12	847
C. the course(s) described in B, plus physics	16	1	7	5	36	3	21	5	36	835	16	7	36	21	36	835	21	31	44	17	7	852
D. a life science and physical science class	38	1	3	10	31	13	41	8	25	837	38	3	30	42	24	837	30	7	46	32	14	842
How well does the following statement reflect your future goals? “I am interested in a career related to science, technology, engineering, or mathematics.”																						
A. strongly agree	29	2	8	9	36	10	40	4	16	841	28	8	36	40	16	841	27	23	47	20	10	849
B. agree	38	2	6	13	39	10	30	8	24	838	38	6	39	30	24	838	37	14	47	27	12	846
C. disagree	21	1	6	7	39	7	39	3	17	841	20	6	39	39	17	841	25	11	48	29	12	845
D. strongly disagree	13	0	0	4	36	3	27	4	36	835	14	0	33	33	33	835	11	9	44	31	17	842
How do you feel about the following statement? “My knowledge of science will be useful to me as an adult.”																						
A. strongly agree	24	3	14	8	38	6	29	4	19	844	24	14	38	29	19	844	31	22	46	22	10	849
B. agree	44	2	5	14	37	13	34	9	24	839	44	5	37	34	24	839	50	14	49	26	11	846
C. disagree	17	0	0	7	47	7	47	1	7	841	17	0	47	47	7	841	14	9	45	31	15	843
D. strongly disagree	14	0	0	4	33	3	25	5	42	831	15	0	31	31	38	832	5	3	38	34	25	837
Optional school/SAU question																						
A.	22	0	0	0	0	1	50	1	50	821	22	0	0	50	50	821						
B.	56	0	0	1	20	2	40	2	40	828	56	0	20	40	40	828						
C.	0										0											
D.	22	0	0	0	0	0	0	2	100	814	22	0	0	0	100	814						

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards
N = Number